





Form PTO-1449 Rev. 8-1997 U.S. Patent & Trademark Office INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY DOCKET NO. 2206-006C	APPLICATION NO. 09/929,478
	APPLICANT Morton M. MOWER, M.D.	
	FILING DATE August 14, 2001	GROUP 3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	3,924,641	12/ 1975	Weiss			
	3,946,745	1/1976	Siang-Lai <i>et al.</i>			
	4,019,519	4/1977	Geerling			
	4,055,190	10/1977	Tany			
	4,222,386	9/1980	Smolnikov <i>et al.</i>	607	9	
	4,233,986	11/1980	Tannenbaum			
	4,298,007	11/1981	Wright <i>et al.</i>			
	4,327,322	4/1982	Yukl			
	4,343,312	8/1982	Cals <i>et al.</i>	128	419	
	4,392,496	7/1983	Stanton			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	0 813 889 A2	12/1997	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	Guyton, Textbook of Medical Physiology, 8th Edition, Chapter 9, pp. 98-99, 1991.
	Brian G. Cleland, "A Conceptual Basis for Pacing Waveforms," Pace, vol. 19, 1177-1185 (Aug. 1996).
	Allen M. Greenspan, M.D., "Electrophysiology of Pacing," 29-35, Ideal Cardiac Pacing, vol. 37 in the Series, Major Problems in Clinical Surgery (1984).

EXAMINER	DATE CONSIDERED
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-100 US Dept. of Commerce (Rev. 4-1996) PATENT & TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY DOCKET NO. 2206-006C	APPLICATION NO. 09/929,478
	APPLICANT Morton M. MOWER, M.D.	
	FILING DATE August 14, 2001	GROUP 3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	4,402,322	9/1983	Duggan			
	4,429,697	2/1984	Nappholz <i>et al.</i>			
	4,444,195	4/1984	Gold			
	4,456,012	6/1984	Lattin			
	4,498,478	2/1985	Bourgeois			
	4,539,991	9/1985	Boute <i>et al.</i>			
	4,543,956	10/1985	Herscovici			
	4,569,350	2/1986	Mumford <i>et al.</i>			
	Re. 32,091	3/1986	Stanton			
	4,612,934	9/1986	Borkan			

## FOREIGN PATENT DOCUMENTS

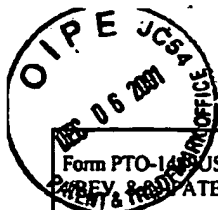
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	0 870 516	10/1998	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	Brian F. Hoffman, M.D., and Paul F. Carnefield, M.D., Electrophysiology of the Heart, 220-222 (1976).
	Bradley J. Roth, Ph.D., "Strength-Internal Curves for Cardiac Tissue Predicted Using the Bidomain Model," Journal of Cardiovascular Electrophysiology, vol. 7, No. 8, 722-737 (Aug. 1996).
	Harold Siddons and Edgar Sowton, "Cardiac Pacemakers," 152-154.

EXAMINER	DATE CONSIDERED
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Form PTO-148 US Dept. of Commerce  
PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
2206-006CAPPLICATION NO.  
09/929,478

## INFORMATION DISCLOSURE STATEMENT

APPLICANT  
Morton M. MOWER, M.D.

(Use several sheets if necessary)

FILING DATE  
August 14, 2001GROUP  
3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	4,637,397	1/1987	Jones <i>et al.</i>	128	419	
	4,646,744	3/1987	Capel			
	4,723,552	2/1988	Kenyon <i>et al.</i>			
	4,754,759	7/1988	Allocca			
	4,781,194	11/1988	Elmqvist			
	4,821,724	4/1989	Whigham <i>et al.</i>	607	13	
	4,823,810	4/1989	Dervieux			
	4,875,484	10/1989	Anzai <i>et al.</i>			
	4,903,700	2/1990	Whigham <i>et al.</i>	128	419	
	4,919,140	4/1990	Borgens <i>et al.</i>			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
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0 850 662	7/1998	EP				

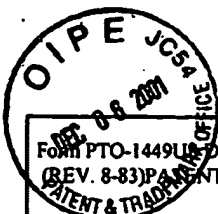
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	Estes <i>et al.</i> , Implantable Cardioverter-Defibrillators, p. 181 (1994).
	Ravazzi <i>et al.</i> , Changes Induced in Ventricular Activator Using Non-Standard Pacing Pulse Morphologies at Different Right Septal Sites (1998).
	Ravazzi <i>et al.</i> , Ventricular Pacing Threshold Improvement Using Non-Standard Pacing Pulse Morphologies at Different Right Septal Sites (1998).

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Form PTO-1449US, Dept. of Commerce  
(REV. 8-83) PATENT & TRADEMARK OFFICE

# INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY DOCKET NO.  
2206-006C

APPLICATION NO.  
09/929,478

APPLICANT  
Morton M. MOWER, M.D.

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August 14, 2001

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3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	4,924,880	5/1990	O'Neill <i>et al.</i>			
	4,940,054	7/1990	Grevis <i>et al.</i>			
	4,944,298	7/1990	Sholder			
	4,976,264	12/1990	Petrofsky			
	4,989,605	2/1991	Rossen			
	4,996,987	3/1991	Petrofsky			
	5,018,522	5/1991	Mehra	607	10	
	5,027,815	7/1991	Funke <i>et al.</i>			
	5,036,850	8/1991	Owens			
	5,048,522	9/1991	Petrofsky			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	0 491 649 B1	9/1996	EP				

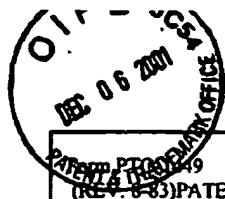
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

		Prochaczek <i>et al.</i> , Transcutaneous Ventricular Pacing of the Human Heart with Increased Overthreshold Energy; Hemodynamic Effects (1998).
		Kutarski <i>et al.</i> , Cathode or Anode in Coronary Sinus (CS) in Pts With Daubert's BiA Pacing System (1998).

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Form PTO/US 49 (REV. 8-83) PATENT & TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY DOCKET NO. 2206-006C	APPLICATION NO. 09/929,478
	APPLICANT Morton M. MOWER, M.D.	
	FILING DATE August 14, 2001	GROUP 3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRI- ATE
		5,052,391	10/1991	Silberstone <i>et al.</i>			
		5,058,584	10/1991	Bourgeois			
		5,063,929	11/1991	Bartelt <i>et al.</i>			
		5,065,083	11/1991	Owens			
		5,069,211	12/1991	Bartelt <i>et al.</i>			
		5,083,564	1/1992	Scherlag			
		5,097,833	3/1992	Campos			
		5,105,810	4/1992	Collins <i>et al.</i>			
		5,109,847	5/1992	Liss <i>et al.</i>			
		5,111,811	5/1992	Smits			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUM- BER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
		0 600 631	12/1999	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)


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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRI- ATE
	5,117,826	6/1992	Bartelt <i>et al.</i>			
	5,163,429	11/1992	Cohen			
	5,181,511	1/1993	Nickolls <i>et al.</i>			
	5,193,535	3/1993	Bardy <i>et al.</i>			
	5,209,229	5/1993	Gilli			
	5,213,098	5/1993	Bennett <i>et al.</i>			
	5,215,083	6/1993	Drane <i>et al.</i>			
	5,224,475	7/1993	Berg <i>et al.</i>			
	5,224,476	7/1993	Ideker <i>et al.</i>	128	419	
	5,233,985	8/1993	Hudrlik			

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	DOCUMENT NUM- BER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	93/01861	2/1993	WO				

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PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
2206-006CAPPLICATION NO.  
09/929,478

## INFORMATION DISCLOSURE STATEMENT

APPLICANT  
Morton M. MOWER, M.D.

(Use several sheets if necessary)

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August 14, 2001GROUP  
3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRI- ATE
	5,300,096	4/1994	Hall <i>et al.</i>	607	48	
	5,314,423	5/1994	Seney	606	20	
	5,314,495	5/1994	Kovacs	623	25	
	5,332,401	7/1994	Davey <i>et al.</i>	607	116	
	5,334,220	8/1994	Sholder			
	5,340,361	8/1994	Sholder			
	5,350,401	9/1994	Levine			
	5,391,185	2/1995	Kroll	607	4	
	5,411,525	5/1995	Swanson <i>et al.</i>	607	5	
	5,411,547	5/1995	Causey, III	607	129	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUM- BER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	97/25098	7/1997	WO				

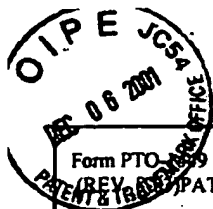
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)


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Form PTO-1059 US Dept. of Commerce  
(REV. 06-2001) PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
2206-006CAPPLICATION NO.  
09/929,478

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT  
Morton M. MOWER, M.D.FILING DATE  
August 14, 2001GROUP  
3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRI- ATE
		5,421,830	6/1995	Epstein <i>et al.</i>	607	30	
		5,422,525	6/1995	Mansir			
		5,423,868	6/1995	Nappholz <i>et al.</i>			
		5,441,522	8/1995	Schuller			
		5,458,625	10/1995	Kendall	607	46	May 4, 1994
		5,468,254	11/1995	Hahn <i>et al.</i>	607	5	July 26, 1993
		5,480,413	1/1996	Greenhut <i>et al.</i>	607	14	Nov. 3, 1994
		5,487,759	1/1996	Bastyr <i>et al.</i>	607	149	June 14, 1993
		5,507,781	4/1996	Kroll <i>et al.</i>	607	7	Dec. 31, 1992
		5,514,161	5/1996	Limousin	607	9	Apr. 4, 1995

## FOREIGN PATENT DOCUMENTS

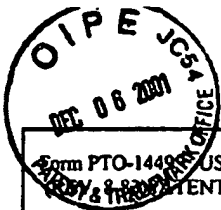
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							YES	NO
		0600631 A2	11/1993	EP				

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	APPLICANT Morton M. MOWER, M.D.	
	FILING DATE August 14, 2001	GROUP 3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRI- ATE
		5,514,163	5/1996	Markowitz <i>et al.</i>			Feb. 21, 1995
		5,522,858	6/1996	van der Veen	607	14	Oct. 26, 1994
		5,527,347	6/1996	Shelton <i>et al.</i>			Feb. 21, 1995
		5,534,015	7/1996	Kroll <i>et al.</i>	607	7	Oct. 11, 1994
		5,534,018	7/1996	Wahlstrand <i>et al.</i>	607	27	Nov. 30, 1994
		5,545,186	8/1996	Olson <i>et al.</i>			Mar. 30, 1995
		5,562,708	10/1996	Combs <i>et al.</i>	607	4	Apr. 21, 1994
		5,601,608	2/1997	Mouchawar	607	5	Feb. 2, 1995
		5,620,470	4/1997	Gliner <i>et al.</i>	607	5	Aug. 6, 1993
		5,620,471	4/1997	Duncan	607	14	June 16, 1995

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUM- BER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
		0491649 A2	6/1992	EP				

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Form PTGB-49 PATENT & TRADEMARK OFFICE US Dept. of Commerce	ATTY DOCKET NO. 2206-006C	APPLICATION NO. 09/929,478
	INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	
	APPLICANT Marton M. MOWER, M.D.	
FILING DATE August 14, 2001		GROUP 3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRI- ATE
	5,626,620	5/1997	Kieval <i>et al.</i>			Feb. 21, 1995
	5,649,966	7/1997	Noren <i>et al.</i>	607	4	Feb. 20, 1996
	5,662,698	7/1997	Altman <i>et al.</i>	607	123	Dec. 6, 1995
	5,713,929	2/1998	Hess <i>et al.</i>	607	14	May 3, 1996
	5,718,720	2/1998	Prutchi <i>et al.</i>			Dec. 13, 1996
	5,735,876	4/1998	Kroll <i>et al.</i>			Oct. 13, 1995
	5,741,303	4/1998	Kroll <i>et al.</i>	607	5	Sep. 13, 1993
	5,800,465	9/1998	Thompson <i>et al.</i>	607	9	June 18, 1996
	5,814,079	9/1998	Kieval	607	4	Oct. 4, 1996
	5,855,592	1/1999	McGee <i>et al.</i>			Apr. 24, 1997

## FOREIGN PATENT DOCUMENTS

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	2763247	11/1998	FR				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)


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Form PTO-81449 (REV. 8-83) PATENT & TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY DOCKET NO. 2206-006C	APPLICATION NO. 09/929,478
	APPLICANT Morton M. MOWER, M.D.	
	FILING DATE August 14, 2001	GROUP 3762

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		5,855,594	1/1999	Olive <i>et al.</i>			Aug. 8, 1997
		5,871,506	2/1999	Mower	607	9	
		5,968,081	10/1999	Levine	607	9	May 15, 1996
		6,067,470	5/2000	Mower	607	5	
		6,136,019	10/2000	Mower	607	9	
		6,141,586	10/2000	Mower	607	9	
		6,141,587	10/2000	Mower	607	9	
		6,178,351	1/2001	Mower	607	5	

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